ABSTRACT OF THE DISCLOSURE

An object of the present invention is to intensity protection of data in a disk device that is shared by a plurality of computers or a plurality of programs. According to the present invention, a connection control program handles input or output from or to a logical volume. An input/output execution control block references a connection information definition block to retrieve a connected state value concerning the connection of an input/output request source computer to an object logical volume or an object logical area. The input/output execution control block then judges whether input or output from or to the logical volume or logical area is enabled. If input or output is enabled, input or output from or to the object logical volume or logical area is executed. If input or output is disabled, input or output is not executed. A definition implementor included in a computer specifies connection information, which is employed by the input/output execution control block, in the connection information definition block. The connection information may be specified the connection information definition block using a definition implementor included in a disk control unit. The connection information recorded in a definition file may be specified in the connection information definition block.

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